

StudentDAO.java

```
import java.sql.*;
import java.util.ArrayList;
import java.util.List;

public class StudentDAO {
    public void addStudent(Student student) {
        try (Connection conn = DatabaseConnection.getConnection()) {
            String query = "INSERT INTO students (name, roll_no, department, email, phone, marks) VALUES (?, ?, ?, ?, ?, ?)";
            PreparedStatement stmt = conn.prepareStatement(query);
            stmt.setString(1, student.getName());
            stmt.setString(2, student.getRollNo());
            stmt.setString(3, student.getDepartment());
            stmt.setString(4, student.getEmail());
            stmt.setString(5, student.getPhone());
            stmt.setInt(6, student.getMarks());
            stmt.executeUpdate();
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }

    public List<Student> getAllStudents() {
        List<Student> students = new ArrayList<>();
        try (Connection conn = DatabaseConnection.getConnection()) {
            String query = "SELECT * FROM students";
            Statement stmt = conn.createStatement();
            ResultSet rs = stmt.executeQuery(query);
            while (rs.next()) {
                Student student = new Student();
                student.setId(rs.getInt("id"));
                student.setName(rs.getString("name"));
                student.setRollNo(rs.getString("roll_no"));
                student.setDepartment(rs.getString("department"));
                student.setEmail(rs.getString("email"));
                student.setPhone(rs.getString("phone"));
                student.setMarks(rs.getInt("marks"));
                students.add(student);
            }
        } catch (SQLException e) {
            e.printStackTrace();
        }
        return students;
    }
}
```